

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-266704

(43)Date of publication of application : 28.09.2001

(51)Int.Cl.

H01H 19/14  
B60R 21/045

(21)Application number : 2000-080038

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(22)Date of filing : 22.03.2000

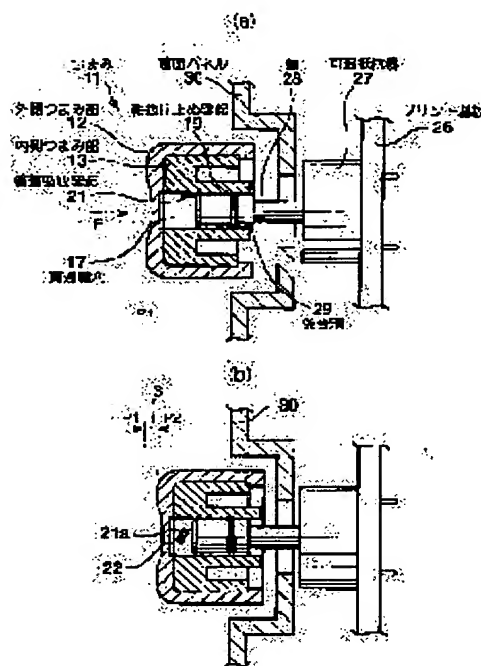
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## (54) KNOB APPARATUS

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To obtain an operating knob, capable of absorbing impact using a simple and inexpensive structure.

**SOLUTION:** A knob 11 comprises an inside knob part 13, having a piercing shaft hole 17 which is fitted to a shaft 28 of a variable resistor 27, and an outside knob part 12 fitted to an outer part of the inside knob part 13. An impact-absorbing projection 11, which is breakable from a collision with the tip of the shaft 28 of the variable resistor, is provided inside the through-hole 17. Thereby, the operating knob capable of absorbing impact can be achieved by an inexpensive and simple structure formed merely by assembling the resin-molded outside knob part 12 and the inside knob part 13.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]